

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as enclosed therein are being deposited with the United States Postal Service on September 4, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR § 1.10, Mailing Label Number 721845775US, addressed to the Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jay R Beyer

Attorney Docket No.: DCI-6D6

First Named Inventor:

John E. Mercer

EU 721845775 US

22141 U.S. PTO

10/656692

09/04/03

UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR § 1.53(b))
(Continuation, Divisional or Continuation-in-part application)

Mail Stop Patent Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

☒ Duplicate for fee processing

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:

John E. Mercer, Peter H. Hambling, Rudolf Zeller, Shiu Ng, Guenter W. Brune, and Lloyd A. Moore

For: **MAPPING TOOL FOR TRACKING AND/OR GUIDING AN UNDERGROUND BORING TOOL**

This application is a ☒ Continuation ☐ Divisional ☐ Continuation-in-part application of copending application 10/229,559 filed on August 27, 2002; which is a continuation of application 10/021,882 filed on December 13, 2001 and issued October 1, 2002 as patent 6,457,537; which is a continuation of application 09/596,316 filed on June 15, 2000 and issued September 24, 2002 as patent 6,454,023; which is a continuation of application 09/422,814 filed on October 21, 1999 and issued August 1, 2000 as patent 6,095,260; which is a divisional of application 08/835,834 filed on April 16, 1997 and issued March 14, 2000 as patent 6,035,951; from which priority under 35 U.S.C. § 120 is claimed.

Application Elements:

- ☒ 35 Pages of Specification, Claims and Abstract
☒ 15 Sheets of formal Drawings
☒ 3 Declaration
☐ Newly executed (original or copy)
☒ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional). The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☒ 2 Assignments and Assignment Recordation Cover Sheets (recording fee of \$80.00 enclosed)
☐ Power of Attorney
☐ 37 CFR 3.73(b) Statement by Assignee
☒ Information Disclosure Statement with Form PTO-1449 ☐ Copies of IDS Citations
☐ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)
☒ Return Receipt Postcard
☐ Small Entity Statement(s) ☒ Statement filed in prior application. Status still proper and desired.
☐ Request and Certification under 35 USC 122(b)(2)(B)(i).
☐ Other:

Claim For Foreign Priority

- ☐ Priority of _____ Application No. _____ filed on _____
is claimed under 35 U.S.C. § 119.
- ☐ The certified copy has been filed in prior application U.S. Application No. _____
- ☐ The certified copy will follow.

Extension of Time for Prior Pending Application

- ☐ A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

Amendments

- ☐ Amend the specification by inserting before the first line the sentence: "This is a
- ☐ Continuation ☐ Continuation-in-part ☐ Divisional
application of copending prior
- ☐ Application No. _____, filed on _____,
- ☐ International Application _____ filed on _____ which
designated the United States,
the disclosure of which are incorporated herein by reference."
- ☐ Cancel in this application original claims _____ of the prior application
before calculating the filing fee. (At least one original independent claim must be retained.)

Fee Calculation (37 CFR § 1.16)

	(Col. 1)	(Col. 2)	<u>SMALL ENTITY</u>		<u>OR</u>	<u>LARGE ENTITY</u>	
	<u>NO. FILED</u>	<u>NO. EXTRA</u>	<u>RATE</u>	<u>FEE</u>		<u>RATE</u>	<u>FEE</u>
BASIC FEE			\$375	\$375	OR	\$750	\$
TOTAL CLAIMS	<u>10</u>	-20 = <u>0</u>	x9 =	\$ 0	OR	x18 =	\$
INDEP CLAIMS	<u>2</u>	-03 = <u>0</u>	x42 =	\$ 0	OR	x84 =	\$
[] Multiple Dependent Claim Presented			\$140 =	\$	OR	\$280 =	\$
* If the difference in Col. 1 is less			Total	\$375	OR	Total	\$
than zero, enter "0" in Col. 2.							

☒ Please charge Deposit Account No. **19-1685** (Order No. **DCI-6D6**) in the amount of **\$455.00** to cover the filing fee and assignment recordation fee.

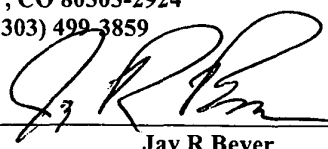
☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. **19-1685** (Order No. **DCI-6D6**).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

- ☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed.
- ☒ Please send correspondence to the following address: **Customer Number 21833**

Jay R Beyer
Boulder Patent Services
1021 Gapter Road
Boulder, CO 80303-2924
Tel (303) 499-3859

Date: September 4, 2003


Jay R Beyer
Registration No. 39,907